

M12 male 0° / M12 male 0° D-cod. shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 10m

Art.No.: 7000-44511-7961000

Weight: 0.723 Country of origin: US

Model designation: MSDAL0-DA-T796_10.0-ZS

Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

If you are missing technical information? Please feel free to use our dictionary to find more technical details.

Product details: Product fulfills requirements according to UN/ECE R118

Ethernet CAT5e
Male straight – male straight
M12 – M12, 4-pole
D-coded

shielded

Further cable lengths on request.

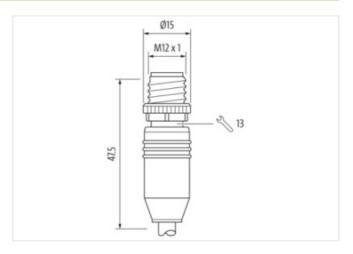
Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

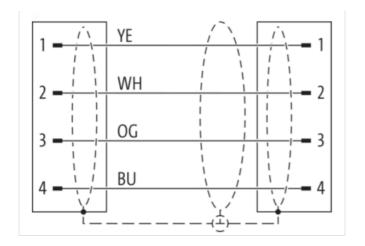
Illustration

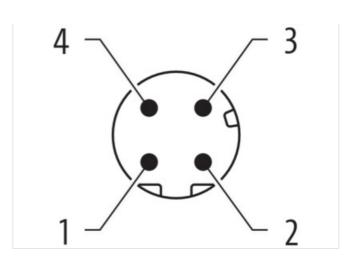


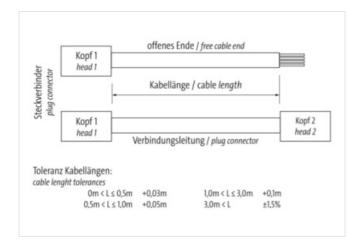




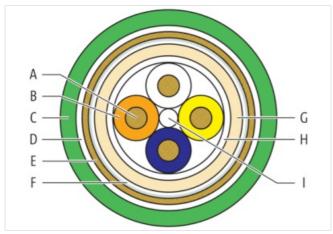
stay connected











Product may differ from Image



















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Header	
	MSDALO DA 1706 10.0.7S
Material short text Cable length	MSDAL0-DA-T796_10.0-ZS 10,00 m
Side 1	10,00 III
Family construction form	M12
No. of poles	4
Coding	D
Gender	male
Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.6 Nm
Width across flats	SW13
Cable outlet	straight
Material Material contact	PUR Connected to
	Copper alloy
Coating contact Degree of protection (EN IEC 60529)	gold plated IP67, IP66K, IP65
	1707, 1700N, 1703
Side 2	
Family construction form	M12
No. of poles	4
Coding	D
Gender	male
Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.6 Nm
Width across flats	SW13
Cable outlet	straight
Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-44511-7961000
GTIN	4048879141277
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-7.1	27060307
ECLASS-8.0	27060307
ECLASS-8.1	27060307
ECLASS-9.0	27060307
ECLASS-9.1	27060307
ECLASS-10.0.1	27060307
ECLASS-10.1	27060307
ECLASS-11.0	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ECLASS-13.0	27060307
ECLASS-14.0	27060307



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ETM-6 0 EC002599 ETM-8 0 EC002599 ETM-8 0 EC002599 Call MA 404807941277 Paccaging unit 1 Etectrical data Supply 90 Y Operating vortinge DC max. 90 Y Current operating per contact max. 15 A Industrial communication 1 Data transmission rate max. 100 Miles Transfer parameters CATS, Class D (BO/IEC 11801-2002), (EN 50173-1) Industrial communication Electrical Full duplex Device protection Electrical Full	ETIM-5.0	EC002599
ETMAY 20 ECX0025690 ETMA 80 ECX0025699 ETMA 90 ECX0025699 EAN 4048879 41277 Penchaging unit 1 Electrical data Supply 50 V Operating vortage DC max 50 V Courted operating or contract max 15 A Industrial communication 100 Mobits Transfer parameters CATS, Class D (ISCHECT 1801-2002), (EN 50178-1) Industrial communication Ethernet functionality Property operation of the property of the		
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Function cable Data Amount stranding 1 Stranding 4 wires around core filler star-shaped twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Foil, Fleece Filler yes Wire arrangement white, yellow, blue, orange Cable weigth 69.3 g/m Material wire insulation PE Amount wires 4 Outer diameter insulation 1.4 mm	Cable identification	796
Amount stranding 1 Stranding 4 wires around core filler star-shaped twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Foil, Fleece Filler yes Wire arrangement white, yellow, blue, orange Cable weigth 69.3 g/m Material wire insulation PE Amount wires 4 Outer diameter insulation 1.4 mm	Function cable	
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Filler yes Wire arrangement white, yellow, blue, orange Cable weigth 69.3 g/m Material wire insulation PE Amount wires 4 Outer diameter insulation 1.4 mm	Cable shielding (coverage)	85 %
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Cable weigth 69.3 g/m Material wire insulation PE Amount wires 4 Outer diameter insulation 1.4 mm	Filler	yes
Material wire insulation PE Amount wires 4 Outer diameter insulation 1.4 mm	Wire arrangement	white, yellow, blue, orange
Amount wires 4 Outer diameter insulation 1.4 mm	Cable weigth	69.3 g/m
Outer diameter insulation 1.4 mm	Material wire insulation	PE
	Amount wires	4
Outer diameter tolerance core insulation ± 0.05 mm	Outer diameter insulation	1.4 mm
	Outer diameter tolerance core insulation	± 0.05 mm

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-10-17



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Ingredient freeness wire insulation	
	lead-free, CFC-free, halogen-free
Amount strands (wire)	7
Diameter of single wires	30 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	Stranded copper wire, bare
Outer-diameter (jacket)	6.7 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	89 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material property (jacket)	abrasion-resistant, low adhesion, good machinability, matte
Material inner jacket	FRNC
Color (inner jacket)	natural
Conductor resistance (wire)	55.4 Ω/km @ 20 °C
Electrical capacity line constant (wire - wire)	50,000 pF/km
Isolation resistance	5,000 MΩ × km
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	2 kV @ 60 s
Withstand voltage (wire - jacket)	2 kV @ 60 s
Withstand voltage (wire - shield)	2 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4.8 A
Characteristic impedance	100 Ω ± 15 %
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Operating temperature min. (drag chain)	-30 °C
Operating temperature max. (drag chain)	70 °C
Flame resistance	UL 1581 § 1090, UL 1581 § 1100, IEC 60332-1-2
Oil resistance	IEC 60811-404, NEMA WC55, IRM 901
Ozone resistance	IEC 60811-403
UV resistance	UL 1581 § 1200
Other resistances	resistant to hydrolysis, resistant to microbes, MUD-resistant (NEK 606)
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	12 × Outer diameter
No. of bending cycles (C-track)	3 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3.3 m/s @ 25 °C
Acceleration (C-track)	2 m/s² @ 25 °C
No. of torsion cycles	1 Mio. @ 25 °C
Torsion stress	± 180 °/m
	35 cycles/min